BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Zone, Bangalore

MEASUREMENT SHEET

PRE-MEASUREMENT

Name of Work:	Remodelling of secondary drain on 3rd cross Bhadrappa layout in ward no. 8, kodigehalli
Estimated Cost:	Rs. 40.00 Lakhs
Job Code / Indent No	008-23-000002
Head of Account:	P-3726 Zonal public works
Name of Agency:	U. Ramesh
PMC:	
Amount put to Tender:	Rs. 33,86,136.96
Amount Tender Price:	Rs. 35,55,038.06
Percentage:	+ 4.98 Above
Ref:	BBMP/EE/BTP/WO/68/2022-23 dated 10.11.2022
Period of Completion:	90 days

Sl. No.	Description	Unit	No	L (m)	B1 (m)	B2 (m)	D/H (m)	Qty.	Remarks
Pre-Measurements Recorded on:		11-11-2022							
1	Dismantling of flexible pavements and disposal of dismantled materials and stacking serviceable and unserviceable materials separately - manual means - Bituminous course								
	3rd cross Bhadrappa layout	Cum							
	From SWD side	Cum	6	30.00	1.90	1.90	0.050	17.10	
		Cum	1	18.00	1.90	1.90	0.050	1.71	
		Cum					Total	18.81	
							Lim to	17.35	
Pre-Measurements Recorded on:		11-11-2022							
2	Dismantling of flexible pavements and disposal of dismantled materials and stacking serviceable and unserviceable materials separately - manual means - Granular course								
	3rd cross Bhadrappa layout								
	From SWD side	Cum	6	30.00	1.90	1.90	0.24	82.08	
		Cum	1	18.00	1.90	1.90	0.24	8.20	
		Cum					Total	90.28	
							Lim to	88.71	

U/H/22

11/11/22

Contractor

Junior Engineer
Ward no. 8

Assistant Executive Engineer
Kodigehalli Sub Division

Sl. No.	Description	Unit	No	L (m)	B1 (m)	B2 (m)	D/H (m)	Qty.	Remarks
Pre-Measurements Recorded on:		11-11-2022							
4	Dismantling of existing structures like culverts, bridges, retaining walls and other structures comprising of machinery, cement concrete, wood work, steel work including T & P and scaffolding wherever necessary disposal of unserviceable materials and stacking the serviceable materials with all leads and lifts - CC M20 grade								
	Existing RCC slabs								
	From SWD side	Cum	6	30.00	1.50	1.50	0.23	60.75	
		Cum	1	5.00	1.50	1.50	0.23	1.72	
		Cum					Total	62.47	
							Lim to	62.43	
Pre-Measurements Recorded on:		13-11-2022							
3	Earthwork excavation by manual means of drains, canals, water weir, draft, approach channels, key trenches, foundation of bridges and such similar works in all kinds of soil, as per drawings and technical specifications including sorting out shuttering, barricading, caution lights, removal of stumps and other deleterious material, executed surface levelled and side neatly dressed the excavated stuff or sorting and stacking them for resuse in the radius of 50m with all leads and lifts etc., to complete the work.								
	3rd cross Bhadrappa layout								
	From SWD side	Cum	6	30.00	1.90	1.90	0.25	85.50	
		Cum	1	18.00	1.90	1.90	0.25	8.55	
	vent desilting	Cum	6	30.00	0.90	0.90	0.90	145.80	
		Cum	1	18.00	0.90	0.90	0.90	14.58	
2	Desilting of side drains	Cum	6	30.00	0.60	0.60	0.60	129.60	
2		Cum	1	18.00	0.60	0.60	0.60	12.96	
2	side road	Cum	1	30.00	0.60	0.60	0.60	21.60	
	Total	Cum					Total	418.59	
		Cum					Lim to	397.37	
Pre-Measurements Recorded on:		17-11-2022						-	
14	Loading and unloading of stone boulders/stone aggregates / sand/kankar/moorum								
	Qty vide item No. 1	Cum	1					17.35	
	Qty vide item No. 2	Cum	1					88.71	
	Qty vide item No. 4	Cum	1					62.43	
	Qty vide item No. 3	Cum	1					397.37	
	Total	Cum					Total	565.86	
		Cum					Lim to	565.86	
Pre-Measurements Recorded on:		17-11-2022							
15	Cost of haulage excluding loading and unloading taking output 18t and lead of 10km								
	qty'	tkm	1	565.86	1.28			724.30	
	Total	Cum					Total	724.30	
		Cum					Lim to	724.30	

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Sl. No.	Description	Unit	No	L (m)	B1 (m)	B2 (m)	D/H (m)	Qty.	Remarks
Pre-Measurements Recorded on:		19.11.2022							
6	Providing coursed rubble masonry (first sort) with hard stones in foundation and plinth with mortar 1:6								
	masonry wall								
2		Cum	6	30.00	0.50	0.50	0.30	54.00	
2		Cum	1	18.00	0.50	0.50	0.30	5.40	
		Cum					Total	59.40	
							Lim to	54.81	
Pre-Measurements Recorded on:		19.11.2022							
5	Providing and laying in position reinforced cement concrete for all sub structures of all buildings, irrigation work, sub structure works of bridges and other parallel work from 0.5m to 3.5m height. The granite /tarp/basalt crushed graded core aggregates and fine aggregates as per relevant IS codes, machine mixed with super plasticiser, laid in walls, well compacted using needle vibrator, providing weep holes where very necessary including all leads and lifts cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, usage charges of machinery, curing, and all other appurtenances, required to complete the work as per technical speciation's								
2	For coping above rcc wall	Sqm	6	30.00	0.30	0.30	0.10	10.80	
2		Sqm	1	18.00	0.30	0.30	0.10	1.08	
2	Coping above SSM wall	Sqm	6	30.00	0.50	0.50	0.10	18.00	
2		Sqm	1	18.00	0.50	0.50	0.10	1.80	
	Total	Sqm					Total	31.68	
							Lim to	30.45	
Pre-Measurements Recorded on:		12.11.2022							
7	Removing and resetting of footpath slab / removing and refixing 225 mm thick slabs								
	Slab	Sqm	20	1.50	0.90			27.00	
	Total	Sqm					Total	27.00	
							Lim to	27.00	
Pre-Measurements Recorded on:		28.12.2022							
9	Removing and refixing slabs								
	side drains	sqm	2	1.90	0.75			2.85	
	Total	cum					Total	2.85	
							Lim to	2.57	
Pre-Measurements Recorded on:									
10	Providing and fixing precast covering slab made out of CC 1:2:4 with 10cm thick and finishing cutting,								
	Replacing broken slab	sqm	1	0.60	0.75	0.75		0.45	
	Total	sqm					Total	0.45	
							Lim to	0.28	

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